

Application No. 10/602,719
Amendment dated January 18, 2006
Reply to Office Action of October 18, 2005

Docket No.: 1381-0297P

AMENDMENTS TO THE CLAIMS

1-8. (Cancelled)

9. (New) An elevator comprising:

an elevator car;

car guide rails disposed in a vertical direction of an elevator shaft;

counterweight guide rails in the elevator shaft;

a counterweight guided by the counterweight guide rails,

a plurality of diverting pulleys mounted in an upper part of the shaft; and

a drive motor with a traction sheave, the drive motor and traction sheave being in the upper part of the shaft;

a rope system;

at least one diverting pulley on the elevator car; and

at least one diverting pulley on the counterweight,

the car guide rails, the plurality of diverting pulleys in the upper part of the shaft and the drive motor and traction sheave being on a same side of the elevator car, both the car and the counterweight have a suspension ration of 3:1 or greater.

10. (New) The elevator as defined in claim 9, wherein the plurality of diverting pulleys mounted in the upper part of the shaft include three diverting pulleys mounted in the upper part of the elevator shaft, the at least one diverting pulley of the counterweight comprising two diverting pulleys for supporting the counterweight, the at least one diverting pulley on the

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elevator car comprising two diverting pulleys for supporting the elevator car, both the elevator car and the counterweight having a suspension ration of 4:1.

11. (New) The elevator as defined in claim 10, wherein the plurality of diverting pulleys include a diverting pulley with a plane of rotation at an angle relative to a wall of the elevator shaft, the elevator further comprising a fixed overhead structure in the elevator shaft on which the plurality of diverting pulleys are mounted.

12. (New) The elevator as defined in claim 11, wherein the plurality of diverting pulleys further include a diverting pulley with a plane of rotation parallel to a wall of the elevator shaft.

13. (New) The elevator as defined in claim 10, wherein the plurality of diverting pulleys include a diverting pulley with a plane of rotation parallel to a wall of the elevator shaft.

14. (New) The elevator as defined in claim 13, wherein all of the plurality of diverting pulleys have a plane of rotation parallel to the wall of the elevator shaft.

15. (New) The elevator as defined in claim 9, wherein the plurality of diverting pulleys mounted in the upper part of the shaft include three diverting pulleys mounted in the upper part of the elevator shaft, the at least one diverting pulley of the counterweight comprising one diverting pulley for supporting the counterweight, the at least one diverting pulley on the

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elevator car comprising one diverting pulley for supporting the elevator car, both the elevator car and the counterweight having a suspension ration of 3:1.

16. (New) The elevator as defined in claim 15, wherein all of the diverting pulleys are in the same plane.

17. (New) The elevator as defined in claim 9, wherein all of the diverting pulleys are in the same plane.

18. (New) The elevator as defined in claim 9, wherein the drive motor and the guide rails are disposed in the elevator shaft on a lateral side of the car on a same side of the car.

19. (New) The elevator as defined in claim 9, wherein the counterweight guide rails and the car guide rails are disposed in the elevator shaft on a same side of the elevator car.

20. (New) The elevator as defined in claim 19, wherein the drive motor is on the same side of the elevator car as the counterweight guide rails and the car guide rails.

21. (New) The elevator as defined in claim 20, wherein the plurality of diverting pulleys in the upper part of the shaft are mounted on the same side of the elevator car as the counterweight guide rails and the car guide rails.

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22. (New) The elevator as defined in claim 21, wherein the plurality of diverting pulleys in the upper part of the shaft are mounted on the same side of the elevator car as the counterweight guide rails and the car guide rails.

23. (New) The elevator as defined in claim 9, wherein the traction sheave and the plurality of diverting pulleys mounted in the upper part of the shaft are in the same plane.

24. (New) The elevator as defined in claim 9, wherein the car guide rails are mounted between the counterweight guide rails and the elevator car.

25. (New) The elevator as defined in claim 9, wherein the car guide rails and the counterweight guide rails are mounted on a same side of the elevator but are laterally offset from one another.